To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
   Hon Wah Chin
   Additional name(s) of conveying parties attached? ☐ Yes ☑ No

2. Name and address of receiving party(ies):
   Name: ONI Systems Corp.
   Internal Address: N/A
   Street Address: 5965 Silver Creek Valley Road
   City: San Jose State: CA ZIP: 95138
   Additional names and addresses attached? ☐ Yes ☑ No

Execution Date: March 6, 2002

4. Application number(s) or patent number(s):
   10,079,181

If this document is being filed together with a new application, the execution date of the application is: March 12, 2002

A. Patent Application No(s):

B. Patent No(s):
   Additional numbers attached? ☐ Yes ☑ No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Chad R. Walsh
   TOWNSEND AND TOWNSEND AND CREW LLP
   Two Embarcadero Center, 8th Floor
   San Francisco, California 94111-3834
   (650) 326-2400

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): $40.00
   ☑ Authorized to be charged to deposit account - Fee authorized on Fee Transmittal – Form PTO/SB/17

8. Deposit account number: 20-1430
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   Chad R. Walsh
   Name of Person Signing
   Atty. Reg. No. 43,235
   Signature
   Date: 3/12/02

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 012733 FRAME: 0172
ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Hon Wah Chin of 3281 Greer Road, Palo Alto, California 94303; hereinafter referred to as “Assignor,” is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: SYSTEM AND METHOD FOR COMMUNICATING DATA IN A NETWORK USING BACKCHANNEL SIGNALING

Date(s) of execution of Declaration: March 6, 2002

Filing Date: Herewith

Application No.: ___________________________; and

WHEREAS, ONI Systems Corp., a corporation of the state of Delaware, located at 5965 Silver Creek Valley Road, San Jose, California, 95138, hereinafter referred to as “ASSIGNEE,” is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee’s successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee’s expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee’s successors and assigns.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, California 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 3/6/02

Hon Wah Chin

WITNESSES:

Dated: 03 06 02

Name: Trevor Smith

Dated: 3/6/02

Name: Stuart McIntosh

PA 3205620 v1

RECORDED: 03/12/2002

PATENT
REEL: 012733 FRAME: 0173